

U.S. Patent Application Serial No. 10/512,126
Reply to Office Action of November 7, 2006

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (Currently Amended) An anti-cancer composition comprising N,N-dimethylphytosphingosine ~~as an active ingredient~~ and at least one phytosphingosine derivative selected from the group consisting of phytosphingosine, acetylated phytosphingosine and ethylated phytosphingosine, wherein the weight ratio of N,N-dimethylphytosphingosine to phytosphingosine derivative is 1:1.
2. (Cancelled)
3. (Cancelled)
4. (Original) A kit for treating cancer comprising the composition of claim 1.
5. (Original) The kit of claim 4, comprising the composition as an adjuvants of other anti-cancer drugs.
6. (Currently Amended) A method of inhibiting sphingosine kinase inhibitor ~~composition~~ comprising administering an effective amount of N,N-dimethylphytosphingosine as an active ingredient.
7. (Currently Amended) ~~An apoptosis-inducing composition~~ A method of inducing apoptosis comprising administering of an effective amount of N,N-dimethylphytosphingosine as an active ingredient.

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8. (Currently Amended) A method of inhibiting protein kinase-inhibitor
~~composition~~ comprising administering of an effective amount of N,N-dimethylphyto sphingosine
~~as an active ingredient.~~

9. (Canceled)

10. (Currently Amended) A ~~composition for~~ method of treating a hyperplastic
disease comprising administering of an effective amount of N,N-dimethylphytosphingosine as an
~~active ingredient.~~

11. (Currently Amended) The ~~composition according to~~ method of claim 10, wherein
the hyperplastic disease is psoriasis.

12. (Canceled)

13. (Canceled)

14. (New) A method of treating cancer comprising administering an effective amount
of N,N-dimethylphytosphingosine to a subject.

15. (New) The method of claim 14 further comprising administering at least one
phytosphingosine derivative selected from the group consisting of phytosphingosine, acetylated
phytosphingosine and ethylated phytosphingosine.

16. (New) The method of claim 15 wherein the weight ratio of N,N-
dimethylphytosphingosine to phytosphingosine derivative is 1:1.